

ABSTRACT

A transmissive display system is calibrated by applying DAC values for a target color and noting the color displayed on the screen. The displayed color is compared to the target color in high and low ambient light levels to determine if it is within a specified tolerance of the target color. Should the displayed color not be within the tolerance range, a calibration procedure is launched for both the high and low light levels which establishes new DAC values and backlight levels for accurate target color presentation on the screen over a wide dynamic range of input signal levels.